

## **California Weather-Hydro Conditions during December 2013**

As of December 31, statewide hydrologic conditions were as follows: precipitation, 25 percent of average to date; runoff, 20 percent of average to date; snow water equivalent, 20 percent of average for the date (7 percent of the April 1 average); and reservoir storage, 70 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2014, observed through December 31, 2013 was about 1.0 million acre-feet (MAF), which is about 33 percent of average. In comparison to Water Year 2013, the observed Sacramento River Region unimpaired runoff through December 31, 2012 was about 4.8 MAF, or about 155 percent of average.

On December 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 3.3 inches, which is about 19 percent of the seasonal average to date and 7 percent of an average water year (50.0 inches). During December, the total precipitation for the 8-Stations was 0.9 inches, or about 11 percent of average for the month. Last year on December 31, the Water Year 2013 seasonal total for the 8-Stations was 32.9 inches, or about 186 percent of average.

On December 31, the San Joaquin 5-Station Precipitation Index Water Year total was 3.0 inches, which is about 23 percent of the seasonal average to date and 7 percent of an average water year (40.8 inches). During December, the total precipitation for the 5-Stations was 1.1 inches, or about 18 percent of average for the month. Last year on December 31, the Water Year 2013 seasonal total for the 5-Stations was 19.1 inches, or about 147 percent of average.

Selected Cities Precipitation Accumulation as of 12/31/2013 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2013 (in inches)	% Avg	Jul 1 to Date 2012 – 2012 (in inches)	% Avg	% Avg “Water Year” Jul 1 to Jun 30 2013- 2014
Eureka	5.12	30	20.83	122	13
Redding	3.50	25	19.16	139	10
Sacramento	1.90	29	11.29	171	10
San Francisco	2.08	23	13.10	144	9
Fresno	0.73	20	3.39	93	6
Bakersfield	1.07	51	0.79	38	17
Los Angeles	1.04	26	4.28	107	8
San Diego	2.24	68	3.17	96	22

Key Reservoir Storage (1,000 AF) as of 12/31/2013								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,187	1,668	71	2,448	48	---	1,261
Shasta Lake	Sacramento	1,673	2,897	58	4,552	37	-1,698	2,879
Lake Oroville	Feather	1,286	2,226	58	3,538	36	-1,877	2,252
New Bullards Bar Res	Yuba	431	537	80	966	45	-365	535
Folsom Lake	American	187	479	39	977	19	-390	790
New Melones Res	Stanislaus	1,049	1,344	78	2,420	43	-921	1,371
Don Pedro Res	Tuolumne	1,034	1,329	78	2,030	51	-656	996
Lake McClure	Merced	232	454	51	1,025	23	-443	793
Millerton Lake	San Joaquin	225	278	81	520	43	-211	295
Pine Flat Res	Kings	173	418	41	1,000	17	-498	827
Isabella	Kern	60	154	39	568	10	-110	508
San Luis Res	(Offstream)	604	1,401	43	2,039	30	---	1,435

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for January 2014, issued December 31, 2013, suggests below average rainfall for all of California.